

## Claims

1. A method for configuring a base station of a cellular network, **characterized** in that the method comprises the steps of
  - downloading information from the network about frequencies used by neighbouring
  - 5 base stations into a mobile communication means,
  - scanning a frequency band of the cellular network with said mobile communication means for determining signal levels within the frequency band,
  - receiving a selection of an operating frequency for the base station from the user of said mobile communication means,
  - 10 - transmitting configuration information comprising at least the selected operating frequency for the base station from said mobile communication means, and
  - configuring the base station according to the transmitted information.
2. A method according to claim 1, **characterized** in that the method comprises the steps of
  - 15 - downloading at least one parameter set into said mobile communication means from the network,
  - selecting one parameter set from said at least one parameter sets for the base station using said mobile communication means, and
  - transmitting information about the selection of the parameter set to the cellular
  - 20 network.
3. A method according to claim 1, **characterized** in that the method comprises the step of selecting the transmission power of the base station using said mobile communication means.
4. A method according to claim 1, **characterized** in that the method comprises the
- 25 step of creating the near neighbour relations of the base station.
5. A method according to claim 1, **characterized** in that the method comprises the step of adjusting the near neighbour relations of the base station.
6. A method according to claim 1, **characterized** in that said information about frequencies comprise information of BCCH frequencies of nearby cells and of TCH
- 30 frequencies corresponding to said BCCH frequencies.

7. A mobile station for configuring a base station of a cellular telecommunications network, **characterized** in that the mobile station comprises
- a processor (41) for controlling frequency scanning,
  - a memory (42) for storing a program for the processor (41),
  - 5 - a receiver (45) and an antenna (46) for receiving on a plurality of frequencies, and
  - transmitting means for transmitting data obtained from frequency scanning to a base station,
  - processing means to scan a frequency band of the cellular telecommunications
  - 10 network for determining signal levels within the frequency band, and
  - processing means to transmit configuration information for the base station to the cellular telecommunications network.
8. A mobile station according to the claim 7, **characterized** in that the mobile station further comprises
- 15 - a display (43) for presenting results of said frequency scanning, and
  - a keyboard (44) for inputting data.